# Fixed Cellular GSM Gateway 1101G User Manual

We provide a comprehensive setting method, including wireless reception clock, IP routing chart, and cost calculation.

Entering the setting mode:

1.  Press 0 * * # ;

2.  Screen display, --- SETUP ---; then it shows INPUT PASS; user input 6 numeral password (default password is 332808).

3.  After entering the correct password, the screen shows INPUT CON. At that time, input your setting; if the password is wrong, the user will not be able to enter the setting mode.

Different types of setting:

When the screen displays INPUT CON, we can press any number from 0-9 to enter different setting mode:

1.  time setting: the format is (000……023) (hour), (000……059)minute;

    for example: if you need to set 7:30p.m., then you need to input 1 019 030 when the screen display INPUT CON

2.  price setting: press number 2 when the screen display INPUT CON, then it shows ---SET PAY ---; the format is:

    1.  (000……014). Please refer to this table.

| | |
|---|---|
| 000 | answer call |
| 001 | local call |
| 002 | other country (for not Hong Kong, Macau, Taiwan, United State, Canada…etc.) |
| 003 | national long distance call |
| 004 | call to local China Unicom |
| 005 | call to local China Mobile |
| 006 | long distance call to China Unicom |
| 007 | long distance call to China Mobile |
| 008 | Hong Kong, Macau, Taiwan |
| 009 | United State, Canada |
| 010 | International type 2 |
| 011 | toll free call, for example 1001 |
| 012 | IP phone (charge per call), for example: 193300, 17910 |
| 013 | any number channel 1 (usually for 013 long distance mobile) |
| 014 | any number channel 2 |

3.  IP setting or Procedure of China Unicom long distance 193 call Setting:

    When the phone service provider use the IP or Unicom Mobile long distance 193

    call system, the Procedure of IP call setting will be effective.

    This setting system will not be able to go with non-IP call system, for example, 200 or 17908 card system.

There are 15 numeral key as the maximum input code, and end up with # to enter____

| 000 | answer call |
|-----|-------------|
| 001 | local call |
| 002 | other country (for not Hong Kong, Macau, Taiwan, United State, Canada…etc.) |
| 003 | national long distance call **non-013 national long distance call** |
| 004 | call to local China Unicom |
| 005 | call to local China Mobile |
| 006 | long distance call to China Unicom |
| 007 | long distance call to China Mobile |
| 008 | Hong Kong, Macau, Taiwan          **00852, 00853, 00886** |
| 009 | United State, Canada                                    **001** |
| 010 | International type 2 |
| 011 | toll free call, for example 1001 |
| 012 | IP phone (charge per call), for example: 193300, 17910 |
| 013 | any number channel 1 (usually for 013 long distance mobile) |
| 014 | any number channel 2 |

If you need to set the national long distance 17911 call system, enter 3-003-17911# when the screen display INPUT CON.

4.   The number list of the Group divided calling procedure:

20 sets of number as a group, and one set of number has 6 available numerals. If the set does not have 6 numerals, use # to occupy one numeral, so as to meet the requirement, and input * to follow up at the end. There can be 7 groups as the maximum capacity (0……6). The definitions of each group are listed below:

| Group 0 | free call | 1 as the initial number, i.e. 1001 |
|---------|-----------|-------------------------------------|
| Group 1 | IP phone | 1 as the initial number, i.e. 193300, 17910 |
| Group 2 | Hong Kong, Macau, Taiwan | 00 as the initial number, i.e. 00852, 00853 |
| Group 3 | United State, Canada | 00 as the initial number, i.e. 001 |
| Group 4 | International type 2 | 00 as the initial number |
| Group 5 | any number channel 1 | any initial number (usually for 013 LD mobile) |
| Group 6 | any number channel 2 | any number |

If you need to set a free call number as 1000, 1001, 114, 120, 117, then input 4-0-1000## -1001## - 114### - 120### - 117### -*

5.  board data setting (direct write):

    This setting is not for normal phone user; otherwise it may cause phone disorder.

Format: high bit address (000……003), low bit address (000……255), data (000……255).

6.  board data setting (AND process):

    This setting is not for normal phone user; otherwise it may cause phone disorder.

Format: high bit address (000……003), low bit address (000……255), data (000……255).

7.  board data setting (OR process):

    This setting is not for normal phone user; otherwise it may cause phone disorder.

Format: high bit address (000……003), low bit address (000……255), data (000……255).

8.  board data setting (OR process):

    This setting is not for normal phone user; otherwise it may cause phone disorder.

Format: high bit address (000……003), low bit address (000……255), data series (end with #).

9.  SIM card, phone locking:

    Only available for phone service provider, and it requires password to function.

10. SIM card password setting:

    Some phone service provider locked the SIM card with a PIN number. By using this order, we can store the password of the SIM card on this phone; otherwise the SIM card cannot be used on this phone.

Withdraw from the setting mode:

Under the setting mode, hang up the phone. Then, it can be withdrawn from the setting mode (except wrong password of the phone lock or SIM lock).

Changing the password of the setting mode (the default password is 332808):

When the screen display INPUT CON, press 8-000-004- 6 numeral number- #

| Display message | description | reason and solution |
| --- | --- | --- |
| -PREPARING- | preparing | machine is turned on and initializing |
| -ERROR 001- | mobile phone no response | mobile phone is switched off or network problem |
| -EEPRON- | initializing | 04…00, counting down |
| -ERROR 002- | initializing failed | reboot the machine or repair |
| 15 numeral number | | if the numeral is corrupted, the |

| | | |
|---|---|---|
| | | mobile phone connection has problem |
| 16 numeral number | | |
| -UN PASS- | SIM card is locked. Unlock it | if the machine is locked with an original SIM card, don't insert another SIM card; otherwise the machine will be corrupted |
| -ERROR 005- | SIM card password incorrect | if the machine is locked with an original SIM card, don't insert another SIM card; otherwise the machine will be corrupted |
| FOUND CARD | SIM card is found | |
| -SEARCH CONN- | checking connection | |
| Display 4 groups of conditional data | display 3 groups of data, and 2 numeral per group. Display from left to right as:<br>1. =01    registered at wire<br>   =02    call in progress<br>   =03    waiting for PIN<br>   =04    electric source is off | note: Only when it is successful to will connect and registered to the antenna, it progress to next step. If the first part shown as 03, then it means the antenna is not found. Please check if the SIM card is insert properly, or if the GSM machine is put at a low signal region. The correct number of the group should be 01. |
| Display registered antenna status | Display 8 groups of data, from left to right, it shows:<br>netsel, cellIDH, cellIDL, lacH, lacL, netcode1, netcode2, netcode3 | |
| -SEARCH CARD- | checking SIM card locking function | each GSM machine can only use one appointed SIM card. When the card checking is incorrect, it cannot go into the setting mode. If the machine cannot be withdrawn from the SIM locking function, the check if the correct SIM card is insert properly. |
| -ERROR CARD- | wrong SIM card | When the card checking is shown as incorrect, the GSM machine can only go into the setting mode. Please use a |

| | | proper SIM card at the GSM machine. |
|---|---|---|
| -STARTUP ON- | initialization finished | |
| -NO SIM CARD- | no SIM card | SIM card is not properly inserted or absence. |
| -SECRECY- | the incoming call number is set as secret | |
| -ERROR 003- | the GSM machine is used in an forbidden area | it can be only used in an allowed area |
| -SETUP- | setting mode | press 0**# enter |
| INPUT PASS | input the password to enter setting mode | 6 numeral |
| -ERROR 004- | wrong password | unable to enter setting mode |
| -INPUT CON- | input the setting procedure | |
| -SET TIME- | time setting | only can set: hour (000…023), minute(000.059) |
| -SET IP- | setting IP call procedure | |
| -SET NU- | setting group dialing procedure | |

Canceling the IP card calling function:

1.  Enter the setting mode
2.  input: 5 000 014 000     5 000 015 000

note: after canceling the IP card calling function, it will use the main IP calling method.

Adding the IP card calling for different regions(under the setting mode):

1.  national long distance call to home phone     Enter: 7 000 014 008
2.  long distance call to China Unicom mobile   Enter: 7 000 014 064
3.  long distance call to China Mobile          Enter: 7 000 014 128
4.  call to Hong Kong, Macau and Taiwan       Enter: 7 000 015 001
5.  to USA and Canada                         Enter: 7 000 015 002
6.  to the other countries                      Enter: 7 000 014 004
7.  international type 2                         Enter: 7 000 015 004
8.  any number channel 1                       Enter: 7 000 015 032
9.  any number channel 2                       Enter: 7 000 015 064

note: if the IP card calling to specific region is not set, it will use the main IP calling method.

Locking the SIM card:

1.  First, we insert the SIM card into a personal mobile phone (we use Nokia 3310 as an example). Enter the secured setting mode, choose the function of the power on PIN, then enter the original PIN of the SIM card. (usually the PIN of the SIM is 1234, but different phone service provider may have different PIN setting)

2.  Go into the password changing mode, enter new PIN, then enter the original PIN, and enter the new PIN again.

3.  Then put the SIM card into the PC GSM61838B wireless machine. Turn on the GSM, the screen will show EROR 005.

4.  Goes into the setting mode. When the screen display INPUT CON, press 0, then press password 671101. The screen will show –SIM PASS-, then press the 4 numeral password.

5.  Restart the GSM machine.


Resetting EEPROM:

If unusual circumstance occurs, for example, the password of the lock appears as error, it means the GSM machine's EEPROM is interrupted. Then, we need to reset the EEPROM data. First, enter the setting mode (use the unchangeable password 671101 if necessary). When the screen display INPUT CON, input 5-000-002-000. Then restart the machine. The screen will then display EEPRON 4…0, and count down while it download the correct data.

When it downloads the data, it will be replaced by the default data, and removed the password of the SIM card lock, and the initial data set by the user will be reset too.

Note: After the SIM card is locked, and the machine cannot go into the standby mode, it may be caused by the lost of the EEPROM's password, non-properly inserted SIM, or bad signal receiving. In order to solve this, replace the PIN secured SIM with a SIM without any PIN locked, then follow the above mentioned instruction to reset EEPROM, and reset the PIN again.


Detecting the signal strength:

When the phone is hung up, the signal strength always display on the right hand side of the screen. It refreshes per minute. If the user wants to see a new signal strength detected immediate, hang up the phone once.


Locking the machine:

After the machine is locked, it means only the specific SIM can be used on the GSM machine. In the setting mode, press 9. Then, input the password 671101. Afterward, the GSM will be locked with the SIM card inside.

If you need to turn off this function, input 6-000-003-251 in the setting mode.
If you need to turn on this function, input 7-000-003-004 in the setting mode.